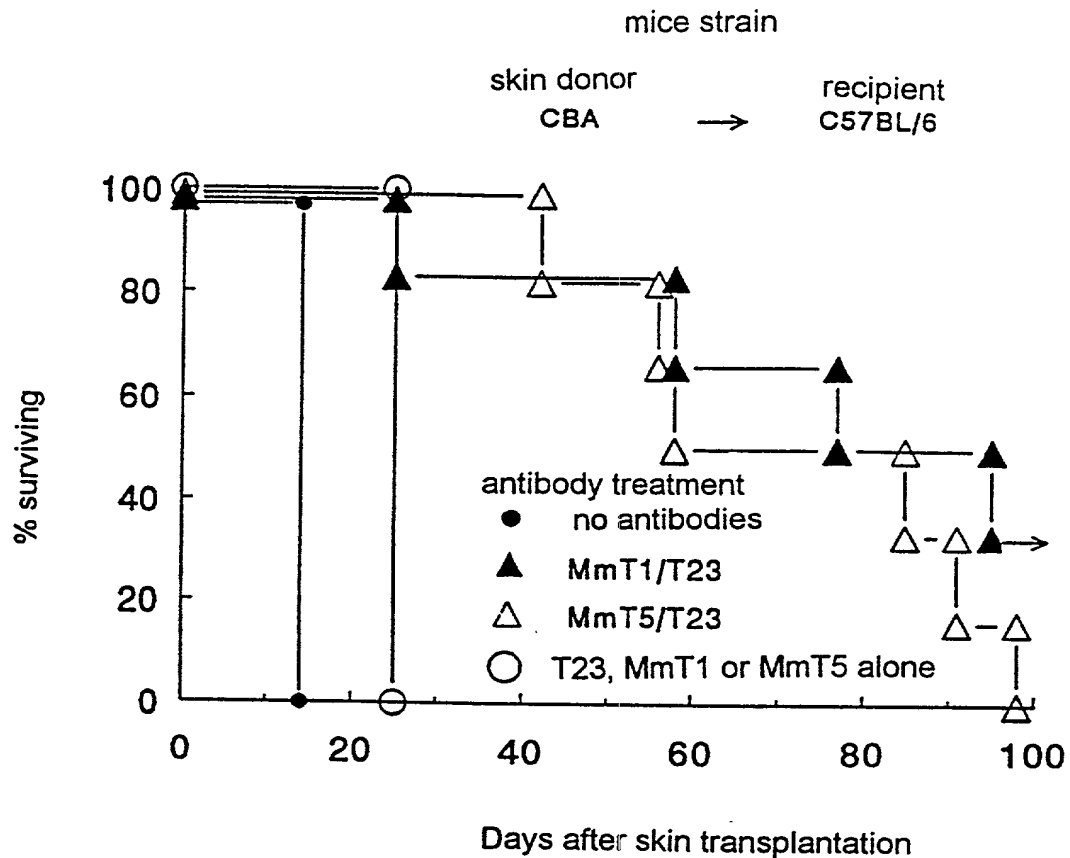


Prolonged immunosuppression due to sequential treatment with 2 anti-T cell antibodies, the Fc regions of which are species-different

Example A: immunosuppression of anti-T cell antibodies with human Fc region
 (test report of August 6, 1993)



Therapy scheme: MmT1/T23 = first antibody (MmT1) day 3
 second antibody(T23) day 0 and twice a week

MmT1, MmT5:

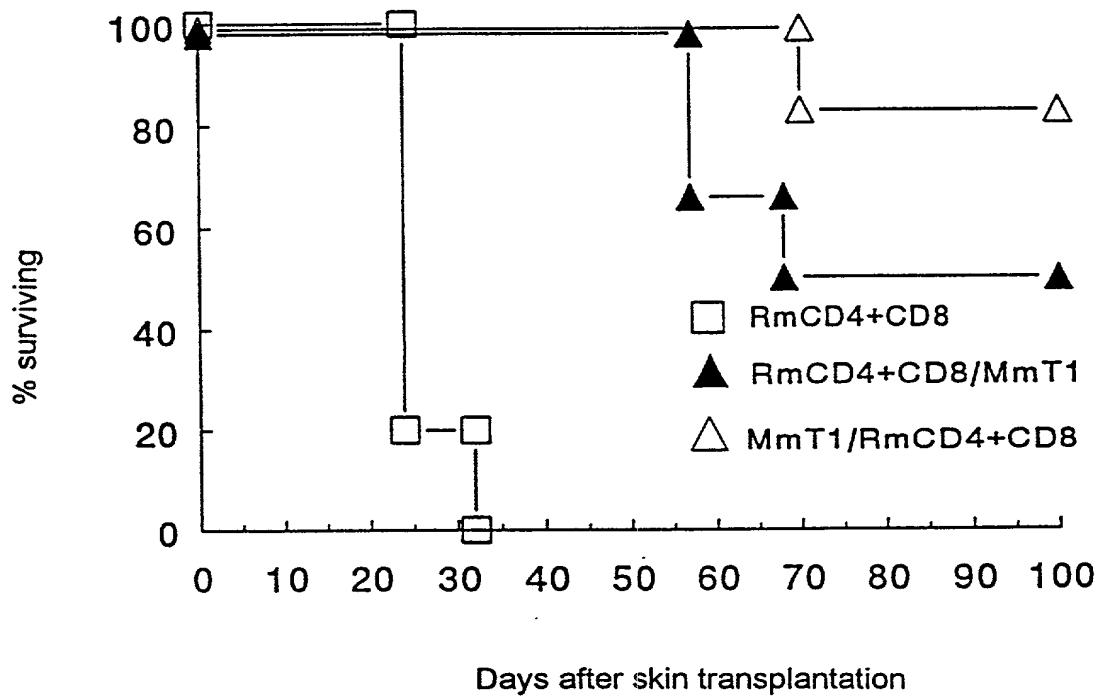
Mouse IgG2a anti-mouse-Thy-1.2 antibodies (different
 idiotype)

T23:

chimerical antibody with MmT1 idiotype (V region) and human
 Fc IgG1 region

Fig. 1

Example B: immunosuppression of anti-T cell antibodies with mouse or rat Fc region (test report of December 17, 1993)



Therapy scheme: MmT1/RmCD4+CD8 = first antibody (MmT1) day 3
second antibody (RmCD4+RmCD8) - and vice versa - day 0
and twice a week

MmT1: Mouse IgG2a anti-mouse-Thy-1.2 RmCD4+CD8: rat anti-mouse
CD4+CD8 lymphocytes

Fig. 2

Example C

Suppression of anti-antibodies by Fc-region-incompatible monoclonal antibody therapy (test report of December 17, 1993)

| First antibody | Immunization | Second antibody | Immunization | Anti-antibodies* |
|---|--------------|-----------------|--------------|------------------|
| RmT1 (rat anti-mouse Thy-1) | -3 | RmT1 | 0, 14, 21 | 254 +/- 91.5 |
| MmT1 (mouse anti-mouse Thy-1.2) | -3 | RmT1 | 0, 14, 21 | 2.45** |
| | | RmCD4 + CD8 | 0, 9, 19 | 84.2 +/- 154.2 |
| MmT1 | -3 | RmCD4 + CD8 | 0, 9, 19 | 1.09 +/- 1.4 |
| | | MmT1 | 0, 9 | 23.9 |
| RmCD4 (rat anti-mouse CD4) | -3 | MmT1 | 0, 9 | 0.25 +/- 0.43 |
| RmCD4+CD8 (rat anti-mouse- CD4 + CD8) | -3 | MmT1 | 0, 9 | 0.79 +/- 1.07 |

Groups of 4 to 6 C57BL/6 mice were injected 400 µg of the first and 500 µg of the second antibody. Tail blood was drawn 6 to 10 days after the last injection in order to determine the anti-antibody level, which was extremely low or zero where there was a species difference (rat/mouse or mouse/rat) between the first and the second antibody.

* - µg/ml Serum (mean value +/- SD)

** - in 3 of 4 mice no antibodies could be detected at all

Fig. 3